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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Con	nplete if Known
Application Number	10/676,079
Filing Date	May 1, 1998
First Named Inventor	PECKER Iris et al
Art Unit	1644
Examiner Name	DIBRINO, MARIANNE NMN

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Sheet		1	of	4	Attorne	y Docket Number	26871		
			U.S	. PATENT	DOCUM	ENTS			
Examiner Cite No.		Document Number	Publication Date MM-DD-YYYY		Name of Patentee or Applicant of Cited Document		Relevant Passages of	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
- ACTIFS (Number-Kind Code ^{2 (if known)}			ļ				
/MD/	1	US-6,230,151	08-8-20			Agrawal et al.			
	2	US-5,799,311	08-25-1		<u> </u>	Agrawal et al.			
	3	US-6,314,420	06-6-20			Lang et al.			
	4	US-4,937,747	06-26-1			Koller			
	5	US-6,307,965	10-23-2	2001		Aggarwal et al.			
	6	US-6,226,792	01-1-20		(8)	Goiffon et al.			
	7	US-5,859,929	01-12-1		1	Zhou et al.			
	8	US-5,799,276	08-25-1	998	<u> </u>	Comissarchik et al.			
	9	US-2002/0068061	06-6-20	002		Peretz et al.			
	10	US-5,360,735	01-1-19	994		Weinshank et al.			
	11	US-2002/0088019	04-4-20	002		Yacoby-Zeevi			
	12	US-5,589,604	12-31-1	996		Drohan et al.			
	13	US-5,700,671	12-23-1997			Prieto et al.			
	14	US-5,714,345	03-3-1998		Clark				
	15	US-5,716,817	02-10-1	1998	ome	T7rneii			
	16	US-6,140,552	10-31-2	2000		Deboer et al.			
	17	US-2003/0163836	08-28-2	2003		Garofalo et al.			
	18	US-2002/0194625	12-19-2	2002		Zcharia et al.			
	19	US-6,190,875	02-20-2	2001		Ben-Artzi et al.			
	20	US-2001/0006630	05-5-20	001	1	Yacobi-Zeevi et al.			
	21	US-2002/0114801	08-22-2			Pecker et al.			
	22	US-6,475,763	05-5-20		Av	al-Hershkovitz et al.		~	
	23	US-6,426,209	07-30-2			al-Hershkovitz et al.		-	
	24	US-6,800,441	05-5-20		1	Pecker et al.		,	
	25	US-2002/0168749	11-14-2		1	Pecker et al.			
	26	US-2003/0068806	04-10-2		Av	al-Hershkovitz et al.			
	27	US-6,946,131	09-20-2		1	Peretz et al.			
	28	US-2003/0181687	09-25-2		1	Peretz et al.			
	29	US-6,960,471	01-1-20		1	Pecker et al.			
	30	US-2003/0190737	09-9-20		 	Pecker et al.			
1/	31	US-2003/0170860	09-11-2		1	Pecker et al.			
A	32	US-2003/0217375	11-20-2		†	Zcharia et al.			
/MD/	33	US-2004/0213789	10-28-2		 	Yacobi-Zeevi et al.			

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Substitute for form 1449A/PTO				Compl	Complete if Known			
				Application Number	10/67	10/676,079 May 1, 1998		
SUPPLEMENTAL					Filing Datc			May
INFORMATION DISCLOSURE				First Named Inventor	First Named Inventor PECKER Iris et al Art Unit 1644			
STATEMENT BY APPLICANT			Art Unit					
	(1	use as many sheets as ne	ecessary)		Examiner Name	DIBE	NO, MARIANNE NMN	
Sheet	heet 2		of	4	Attorney Docket Number	26871		
			U.S.	PATEN	IT DOCUMENTS			
/MD/	34	US-2004/0146497	07-29-2	004	Ilan et al.	ľ	,	
1	35	US-6,986,996	01-17-2	006	Pecker et al.			
	36	US-2004/0146925	07-29-2	004	Pecker et al.			
	37	US-2005/0260187	11-24-2	005	llan et al.	,		
V	38	US-2006/0008892	01-12-2	006	Yacobi-Zeevi et al.			
/MD/ 39 US-2003/0031660 02-13-2003		Yacobi-Zeevi et al.						

		FOREIGN	PATENT DOC	UMENTS		
Examiner Initials*	Cite No.	Foreign Patent Documents	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
/MD/	40	Country Code ³ Number ⁴ Kind Code ³ (if known) PCT WO 00/03036	01-20-2000	Don Artel et al	or Relevant Figures Appear	┼
/1010/				Ben-Artzi et al.		1_
	41	PCT WO 00/25817	05-11-2000	Peretz et al.	ŧ	1
	42	PCT WO 92/01003	01-23-1992	Nicolson et al.		\Box
	43	PCT WO 02/32283	04-25-2002	Yacoby-Zeevi		⇈
	44	PCT WO 02/19962	03-14-2002	Ilan et al.		\top
	45	AU 735116	06-28-2001	Pecker et al.		1
1/	46	AU 768820	08-8-2004	Ben-Artzi et al.		\top
V	47	PCT WO 2004/108065	12-16-2004	Yacobi-Zeevi et al.		T
/MD/	48	PCT WO 99/18852	04-22-1999	Arenson		Ė
Examiner Signature		/Marianne Dibrino/		Date Considered	05/29/2007	

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For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. Applicant is to place a check mark here if English language Translation is attached.

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449A/PTO **Application Number** 10/676,079 May 1, 1998 Filing Date SUPPLEMENTAL First Named Inventor PECKER Iris et al INFORMATION DISCLOSURE Group Art Unit 1644 STATEMENT BY APPLICANT Examiner Name DIBRINO, MARIANNE NMN (use as many sheets as necessary) Sheet Attorney Docket Number Of 26871 OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Examiner Cite item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), T2 **Initials** No. publisher, city and/or country where published. Miyake et al. "Highly Specific and Sensitive Detection of Malignancy in Urine 49 /MD/ Samples From Patients With Urothelial Cancer by CD44v8-10/CD44v10 Competitive RT-PCR", Int. J. Cancer, 79(6): 560-564, 1998. Abstract. 50 Marra et al. ""The WashU-HHMI Mouse EST Project", Database EMBL, Accession No. Al122034, XP 002198426, 1998. Abstract. 51 Zcharia et al. "Heparanase Regulates Murine Hair Growth", American Journal of Pathology, 166(4): 999-1008, 2005. 52 Zhu et al. "Development of Heritable Melanoma in Transgenic Mice", The Journal of Investigative Dermatology, 110: 247-252, 1998. 53 Duff "Transgenic Mice Overexpressing Presentlin cDNAs: Phenotype and Utility in the Modeling of Alzheimer's Disease", Central Nervous System Diseases, P.123-128, 2000. Abstract. 54 Doetschman "Interpretation of Phenotype in Genetically Engineered Mice", Laboratory Animal Science, 49(2): 137-143, 1999. 55 Wall "Transgenic Livestock: Progress and Prospects for the Future", Theriogenology, 45: 57-68, 1996. Mullins et al. "Fulminant Hypertension in Transgenic Rats Harbouring the Mouse 56 Ren-2 Gene", Nature, 344: 541-544, 1990. Hammer et al. "Spontaneous Inflammatory Disease in Transgenic Rats Expressing 57 HLA-B27 and Human ?2m: An Animal Model of HLA-B27-Associated Human Disorders", Cell, 63: 1099-1112, 1990. 58 Taurog et al. "HLA-B27 in Inbred and Non-Inbred Transgenic Mice", The Journal of Immunology, 141(11): 4020-4023, 1988. 59 Pearce et al. "Development of Glucose Intolerance in Male Transgenic Mice Overexpressing Human Glycogen Synthase Kinase-3? on A Muscle-Specific Promoter", Metabolism, 53(10): 1322-1330, 2004.

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Nicind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 If possible. Applicant is to place a check mark here if English language Translation is attached.

/Marianne Dibrino/

Signature

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Substitute for form 1449A/PTO				Complete if Known					
ļ				Application Number	10/676,0				
j		S	UPPLEMENTAL	Filing Date	May 1, 1				
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STATEMENT BY APPLICANT				Group Art Unit	1644				
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Sheet		4	Of 4	Attorney Docket Numl					
			OTHER PRIOR ART – NON PATEN	IT LITERATURE DO	CUMENTS				
	~ /	60	Li et al. "In Vivo Fragmentation of Hepara	n Sulfate by Heparan	ase				
/M[וכ		Overexpression Renders Mice Resistant to Amyloid Protein A Amyloidosis", PNAS, 102(18): 6473-6477, 2005.						
1 1	i	61 Zcharia et al. "Heparanase Acclerates Wound Angiogenesis and Wound Healing							
			in Mouse and Rat Models", The FASEB Jo						
		62	Zcharia et al. "Molecular Properties and In	volvement of Hepara	nase in Cancer				
l I			Progression and Mammary Gland Morphog	genesis", Journal of N	Mammary Glan	d			
			Biology and Neoplasia, 6(3): 311-322, 200						
1 1		63	Nadir et al. "Co- Interaction and Increased						
			Inhibitor by Heparanase", Blood, 106(11/P						
		64	Spiegel et al. "Heparanase Facilitates Deve						
1			Migration of Hematopoietic Stem and Prog	genitor Cells", Blood,	102(11): 825a	-			
<u> </u>			826a, 2003. Abstract# 3056.			·			
1		65	Zcharia et al. "Transgenic Expression of M	ammalian Heparanas	e Uncovers				
			Physiological Functions of Heparan Sulfate						
			Vascularization, and Feeding Behavior", T						
		66	Nasser et al. "Heparanase Neutralizes the A	Anticoagulation Prope	erties of Hepari	n			
			and Low-Molecular-Weight Heparin", Jour	mal of Thrombosis a	nd Haemostasis	i,			
			4: 560-565, 2006.						
		67	Mullins et al. "Expression of the DBA/2J R						
-			Transgenic Mice", The EMBO Journal, 8(1						
		68	McKenzie et al. "Biochemical Characteriza						
1			of Human Heparanase (Hpa1) Protein Expi	ressed in Insect Cells	", Biochemical				
 		69	Journal, 373: 423-435, 2003.						
[09	Nakajima "Heparanases and Tumor Metast	asis", Tanpakushitsu	Kakusan Koso	,			
-		70	37(11): 1753-1758, 1992. Abstract.						
	Ricoveri et al. "Heparan Sulfate Endoglycosidase and Metastatic Potential in Murine Fibrosarcoma and Melanoma", Cancer Research, 46(8): 3855-3861,								
1 1				icer Kesearch, 40(8):	3833-3861,				
	1986. Abstract.								
		71 Hatano et al. "Biologic Activities of Antobodies to the Neutral-Polysaccharide Component of the Pseudomonas Aeruginosa Lipopolysaccharide Are Blocked by							
1			O Side Chains and Muscid Evapolysaschai	rido (Alginoto)". Info	e Are Blocked	oy			
1		O Side Chains and Mucoid Exopolysaccharide (Alginate)", Infect. Immun., 63(1): 21-26.							
	72 Vernet et al. "Virulence Factors (Aerobactin and Mucoid Phenotype) in								
[]	Klebsiella Pneumoniae and Escherichia Coli Blood Culture Isolates", FEMS								
	Microbiol. Lett., 130(1): 51-57, 1995. Abstract.								
	73 Elkin et al. "Heparanase as Mediator of Angiogenesis: Mode of Action", The								
FASEB Journal, 15: 1661-1663, 2001.									
74 Cheng et al. "Increased Sulfation of Glycoconjugates NY Cultured Nasal									
/MD/ Epithelia Cells From Patients With Cystic Fibrosis", Journal of Clinical									
Invetment, 84(1): 68-72, 1989. Abstract.									
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